

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1317759

Luminaire Tested: P3SQAS05R559835DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R559835DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

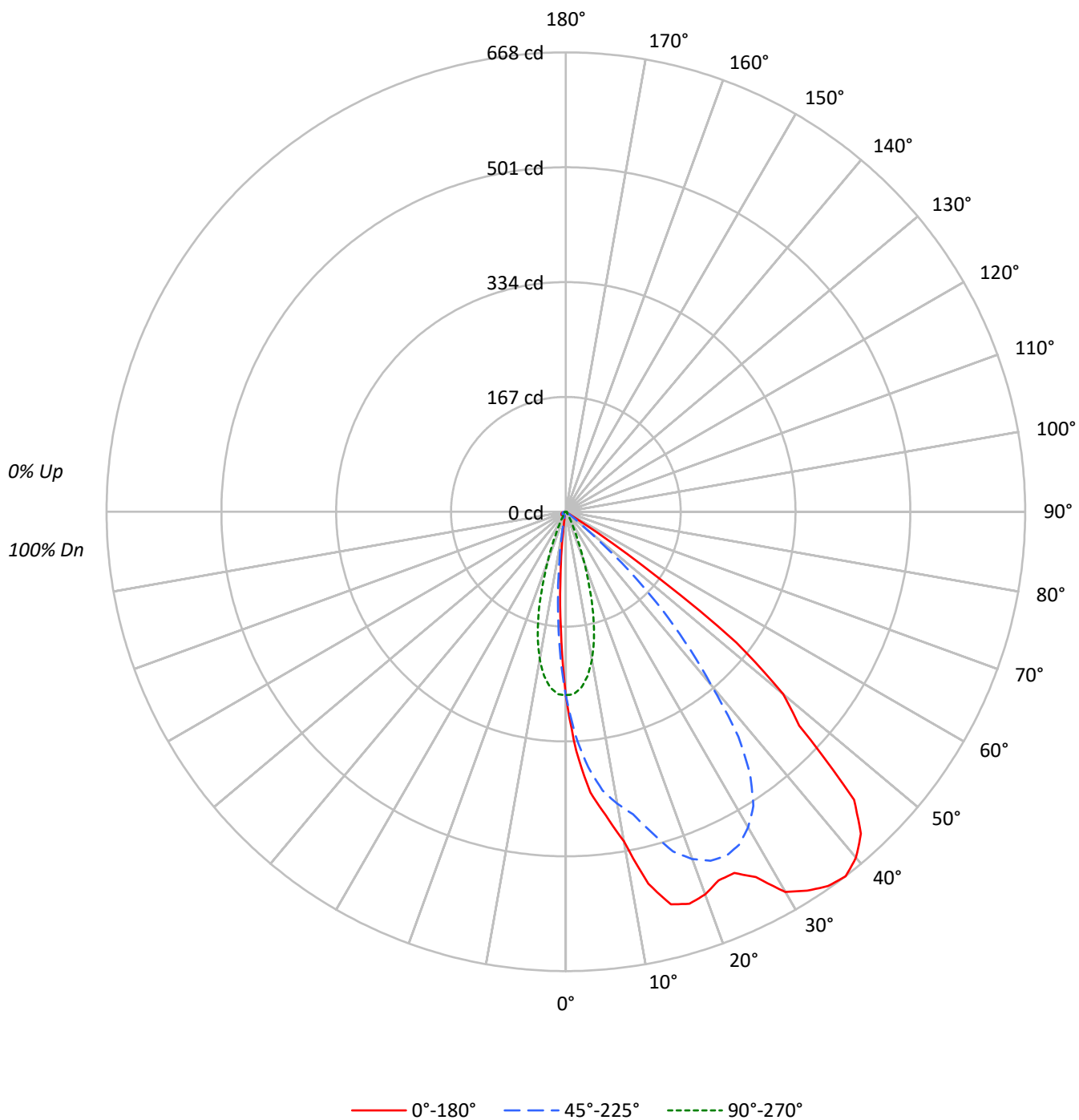
Lumens per Lamp: N/A
Luminaire Lumens: 445.1 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1317759

CATALOG NUMBER: P3SQAS05R559835DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317759

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		77	72	68		75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56		65	59	55		63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	45932	45932	45932	45932	45932
5°	70829	64484	44378	22786	14971
10°	85114	75373	38194	5754	2291
15°	105374	86082	27297	1587	1248
20°	108536	98474	14094	1063	1063
25°	110101	104895	5663	950	1102
30°	126916	105399	2466	994	1153
35°	139708	98247	1051	1051	1304
40°	147572	73966	607	1214	1394
45°	144333	45180	560	1315	1705
50°	110414	9619	616	1554	1956
55°	40505	360	691	1742	2192
60°	413	413	792	1998	2514
65°	489	489	937	2038	2690
70°	403	604	957	2316	3122
75°	266	532	998	2595	3593
80°	397	793	1190	2678	3868
85°	0	790	1581	2964	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 144333 cd/sqm

TEST NUMBER: P1317759

CATALOG NUMBER: P3SQAS05R559835DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	5.3
10°-20°	67.2	15.1
20°-30°	103.1	23.2
30°-40°	120.2	27.0
40°-50°	96.1	21.6
50°-60°	28.4	6.4
60°-70°	3.1	0.7
70°-80°	2.4	0.5
80°-90°	1.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	193.9	43.6
0°-40°	314.1	70.6
0°-60°	438.6	98.5
0°-90°	445.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	267	267	267	267	267	
5°	410	373	257	132	87	41
15°	591	483	153	9	7	163
25°	579	552	30	5	6	275
35°	664	467	5	5	6	414
45°	593	186	2	5	7	427
55°	135	1	2	6	7	143
65°	1	1	2	5	7	1
75°	0	1	2	4	5	1
85°	0	0	1	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1317759

CATALOG NUMBER: P3SQAS05R559835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7
2.5°	347.9	347.9	346.7	347.1	346.3	342.1	341.3	335.9	331.3	326.2	322.0
5°	409.7	410.5	409.4	407.0	403.9	400.8	394.3	389.3	382.7	373.0	364.1
7.5°	444.9	444.1	442.2	441.4	439.5	436.0	431.4	426.0	418.2	408.6	398.1
10°	486.7	480.1	478.2	475.1	468.9	461.9	453.8	446.5	439.9	431.0	419.8
12.5°	553.9	552.8	545.0	539.2	530.7	515.3	501.4	485.1	465.8	450.3	435.6
15°	591.0	591.8	588.3	583.7	578.3	565.5	551.6	532.7	509.9	482.8	458.8
17.5°	597.6	598.8	596.8	594.9	593.4	586.0	577.5	564.0	543.1	518.0	482.4
20°	592.2	594.5	594.9	597.2	600.3	597.2	590.3	581.0	563.6	537.3	503.3
22.5°	580.2	584.5	587.6	595.7	603.8	603.8	599.5	592.2	575.2	549.3	514.5
25°	579.4	580.2	581.4	594.5	607.3	610.0	606.1	598.4	579.8	552.0	514.1
27.5°	598.8	593.7	586.0	599.1	614.2	616.5	611.1	600.7	578.7	545.8	501.0
30°	638.2	627.0	610.7	620.4	630.8	628.1	617.3	600.7	570.9	530.0	476.2
32.5°	653.3	647.1	641.3	651.7	653.7	642.4	623.1	598.4	558.6	507.5	435.6
35°	664.5	664.9	662.5	664.5	655.2	639.3	618.1	585.6	535.4	467.3	381.9
37.5°	668.3	669.1	664.1	657.1	643.2	625.0	599.5	562.4	496.7	412.1	300.7
40°	656.4	654.0	645.9	636.3	621.2	602.6	574.8	519.5	439.1	329.0	234.6
42.5°	635.1	631.2	621.6	610.0	594.1	570.5	526.1	459.2	356.8	256.7	164.3
45°	592.6	589.9	577.9	569.4	550.4	519.9	462.7	378.4	276.0	185.5	95.1
47.5°	460.4	460.8	470.0	474.3	467.7	443.4	376.1	287.6	201.4	110.6	32.1
50°	412.1	410.1	400.8	388.1	366.8	330.5	276.0	203.3	119.1	35.9	4.6
52.5°	312.7	312.7	308.1	301.5	279.1	243.9	186.7	112.5	41.7	6.2	1.2
55°	134.9	127.9	131.8	139.2	133.4	116.0	87.4	33.6	7.3	1.2	1.2
57.5°	1.9	4.6	7.0	11.2	15.1	18.2	9.7	3.5	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	0.8	0.8	0.8	1.2	0.8	1.2	1.2	1.2	1.2	1.2	1.2
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1317759

CATALOG NUMBER: P3SQAS05R559835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7
2.5°	315.8	309.2	298.4	265.6	231.5	200.2	177.8	169.3
5°	354.1	342.1	323.9	256.7	189.0	131.8	99.3	86.6
7.5°	384.2	368.8	342.5	241.2	138.8	70.4	42.1	33.2
10°	404.3	387.3	352.9	218.4	92.0	32.9	15.8	13.1
12.5°	419.0	397.8	356.8	189.0	54.1	15.1	8.5	7.7
15°	429.8	402.4	352.1	153.1	29.8	8.9	7.0	7.0
17.5°	444.9	404.7	340.9	112.9	17.0	6.6	6.6	6.6
20°	456.5	404.7	319.7	76.9	10.4	5.8	5.8	5.8
22.5°	462.3	398.5	293.8	48.7	7.3	5.4	5.8	5.8
25°	456.5	383.5	260.5	29.8	5.8	5.0	5.4	5.8
27.5°	435.3	353.3	216.1	18.9	4.6	5.0	5.4	5.8
30°	399.7	309.6	165.8	12.4	4.3	5.0	5.4	5.8
32.5°	349.4	244.7	107.5	8.1	3.9	5.0	5.4	5.8
35°	272.9	173.2	64.9	5.0	3.9	5.0	5.8	6.2
37.5°	204.5	115.6	35.2	3.1	3.9	5.0	5.8	6.2
40°	141.9	67.3	15.1	2.7	3.9	5.4	6.2	6.2
42.5°	82.3	26.7	3.9	2.3	3.9	5.4	6.2	6.6
45°	30.2	5.4	1.2	2.3	4.3	5.4	6.2	7.0
47.5°	4.3	1.2	1.2	2.3	4.3	5.4	6.6	7.0
50°	1.2	1.2	1.2	2.3	4.3	5.8	7.0	7.3
52.5°	1.2	1.2	1.2	2.3	4.3	5.8	7.0	7.3
55°	1.2	1.2	1.2	2.3	4.3	5.8	7.0	7.3
57.5°	1.2	1.2	1.2	2.3	4.3	5.8	7.0	7.3
60°	1.2	1.2	1.2	2.3	3.9	5.8	7.0	7.3
62.5°	1.2	1.2	1.2	2.3	3.9	5.4	6.6	7.0
65°	1.2	1.2	1.2	2.3	3.5	5.0	6.6	6.6
67.5°	1.2	1.2	1.2	1.9	3.5	5.0	6.2	6.6
70°	1.2	1.2	1.2	1.9	3.1	4.6	5.8	6.2
72.5°	1.2	1.2	1.2	1.5	2.7	4.3	5.4	5.8
75°	0.8	1.2	1.2	1.5	2.7	3.9	5.0	5.4
77.5°	0.8	1.2	1.2	1.2	2.3	3.1	4.3	4.6
80°	0.8	0.8	1.2	1.2	1.9	2.7	3.5	3.9
82.5°	0.8	0.8	0.8	1.2	1.5	1.9	2.7	2.7
85°	0.8	0.8	0.8	0.8	1.2	1.5	1.9	1.9
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)